
F O R E W O R D



AFTER A GOOD MANY YEARS OF PRACTICAL EXPERIENCE IN THE USE AND SELECTION OF PATTERN MAKERS' TOOLS OF EVERY DESCRIPTION, WE TAKE PLEASURE IN PRESENTING THE FOLLOWING LIST, WHICH, WE BELIEVE, INCLUDES AT LEAST THE MOST ESSENTIAL TOOLS, AND A GOOD MANY THAT ARE HARD TO OBTAIN FROM LOCAL DEALERS.

Our Steel Edge Tools are manufactured by the most reliable firms in the United States, England and Sweden, and are *warranted to give satisfaction*. We do not pretend to compete with dealers of second quality low priced tools.

We wish to take this opportunity to thank those who have favored us with orders in the past and respectfully solicit your future patronage.

Among other makes we sell the famous D. R. BARTON Steel Edge Tools which will be furnished unless otherwise requested.

C L E V E L A N D A G E N T S F O R

J. B. ADDIS & SONS, - - - - - SHEFFIELD, ENGLAND
Chisels, Gouges and Carving Tools

JOHN RABONE & SONS, LTD., - - - - - BIRMINGHAM, ENG.
Steel Shrinkage Rules

M. MARPLES & SONS, LTD., - - - - - BIRMINGHAM, ENG.
Boxwood Spoke Shaves

ERIK ANTON BERG, - - - - - ESKILSTUNA, SWEDEN
Pattern Knives

TERMS:—STRICTLY CASH WITH ORDER

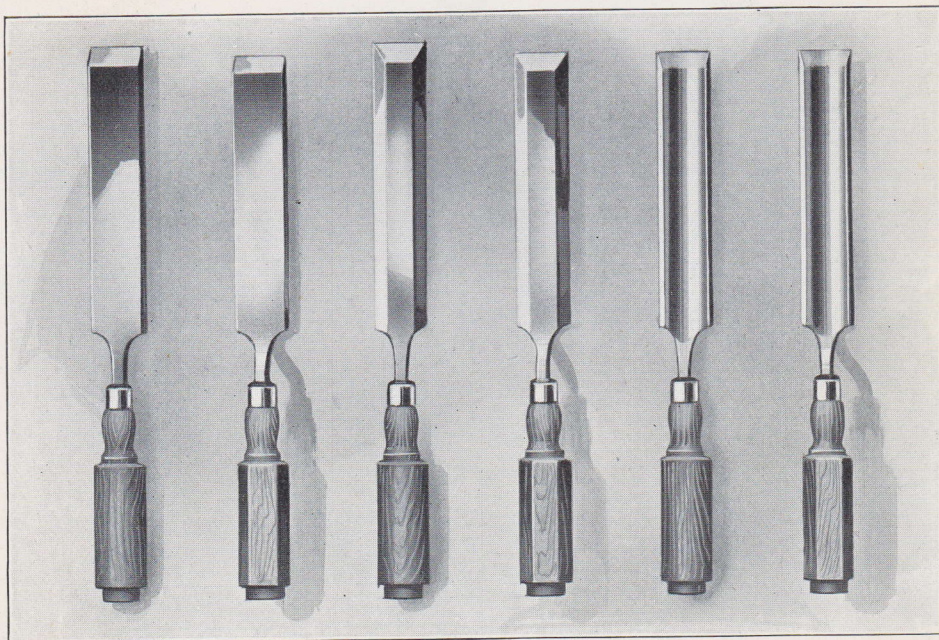
No discount will be allowed except where noted in catalogue.
All prices are F. O. B. Cleveland, Ohio.

Tools may be seen any time in our display room located at 1444 East 49th Street, near Superior Avenue Car Line and seven minutes' ride from Public Square. Bell Phone, East 1071 Cuy., Central 7258-L

ALL DEFECTIVE TOOLS REPLACED PROMPTLY

The WELLMAN PATTERN SUPPLY COMPANY
CLEVELAND, OHIO, U. S. A.

Prices shown in Previous Issues are Void.



PATTERNMAKERS LONG PARING FIRMER CHISELS AND GOUGES

LENGTH OF BLADE NINE INCHES FROM BOLSTER

Net Prices Without Handles

CHISELS

No Discount

Size	$\frac{1}{16}$ "	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{3}{4}$ "	$\frac{7}{8}$ "	1"	$1\frac{1}{4}$ "	$1\frac{1}{2}$ "	$1\frac{3}{4}$ "	2"
Straight Shank Straight Edge	.40	.25	.25	.25	.30	.30	.35	.40	.45	.60	.75	.85	1.05
Straight Shank Bevel Edge	.53	.38	.38	.38	.43	.43	.48	.53	.58	.73	.88	.98	1.18
Bent Shank Straight Edge	.57	.42	.42	.42	.47	.47	.52	.57	.62	.77	.92	1.02	1.22
Bent Shank Bevel Edge	.70	.55	.55	.55	.60	.60	.65	.70	.75	.90	1.05	1.15	1.35

GOUGES

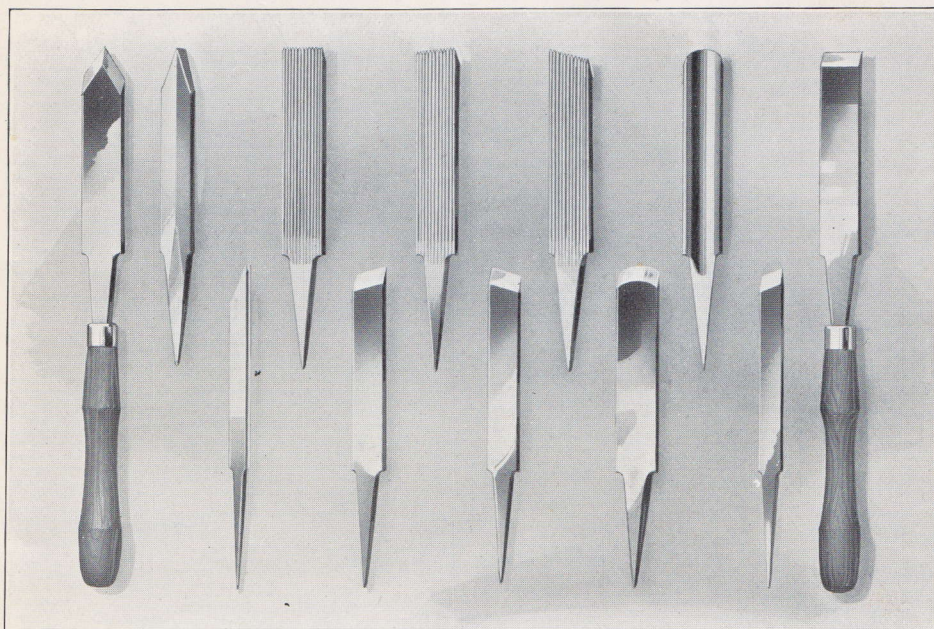
Straight Shank . . .	.50	.40	.40	.40	.45	.45	.50	.55	.60	.80	.95	1.10	1.30
Bent Shank	.67	.57	.57	.57	.62	.62	.67	.72	.77	.97	1.12	1.27	1.47

The above gouges carried in full, Middle and Flat Sweep. (See Page 20)

HANDLES

Round Apple Wood Chisel and Gouge Handles	10c Each	\$.75 Per Doz.
Round Rosewood or Boxwood	13c Each	1.50 Per Doz.
Octagon Rosewood or Boxwood	21c Each	2.50 Per Doz.
Hard Wood Turning Tool Handles	12c Each	1.00 Per Doz.

We Will Adjust Handles Only When Requested and Without Charge



Upper Row---Diamond Point, Parting Chisel, Straight Left and Right Corrugated Chisels. Turning Gouge and Chisel.
Lower Row---Hustler Chisel, Left and Right Skew, Round Nose and Double Bevel Skew.

TURNING TOOLS

LENGTH OF BLADE EIGHT INCHES

Size	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"	1 1/4"	1 1/2"
Price	.25	.30	.30	.35	.40	.40	.45	.55	.65
Price in Corrugated Tools, Three Sizes Only as Follows.							.85	1.00	1.25

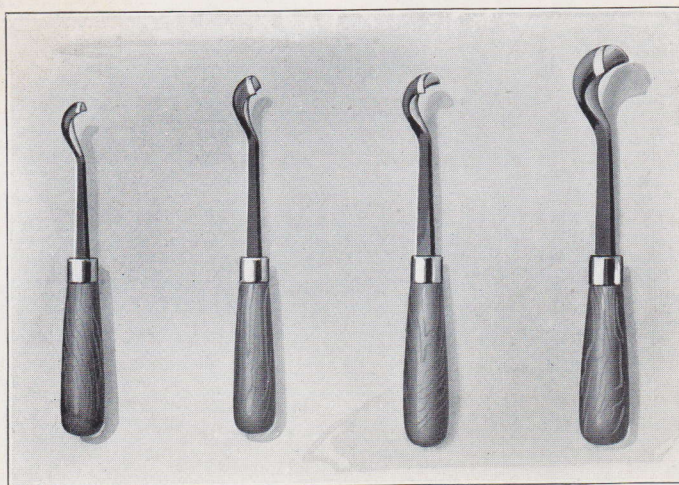
PARTING TOOLS

Size	1/8"	3/16"	1/4"	3/8"
Price	.35	.35	.40	.40
HUSTLERS CHISELS 50. 55. 60.				

TURNING GOUGES

Size	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"
Price	.35	.40	.45	.60	.75	.90

All prices on the above page are net. No discount.



NEW CARVING TOOL GOUGES

WE WISH to call special attention to the above spoon Gouges, which are made with more bend than any we have previously offered. They are made with about the same sweep or radius as shown in No. 31 in the following list.

Net Prices Without Handles

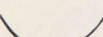
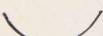
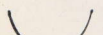
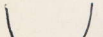
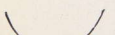
No Discount

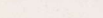
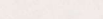
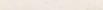
Size	$\frac{1}{8}$ to $\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$
Price	.40	.45	.49	.63	.75	1.05	1.25	1.50	1.80

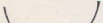
STANDARD CARVING TOOLS

THE FOLLOWING IS A LIST OF OUR REGULAR LINE OF ADDIS STYLE CARVING TOOLS, WHICH WE GUARANTEE TO BE MADE FROM THE VERY FINEST STEEL.

	FIRMERS	No 1	1-16 to $\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$
			.27	.28	.32	.36	.39	.48	.54	.60	.65
	CORNER FIRMER	" 2	1-16 to $\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$
			.28	.29	.33	.37	.40	.49	.55	.61	.66
	STRAIGHT GOUGES	" 3	1-16 to $\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$
			.32	.33	.38	.43	.46	.56	.65	.68	.78
		" 4	1-16 to $\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$
			.32	.33	.38	.43	.46	.56	.65	.68	.78
		" 5	1-16 to $\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$
			.32	.33	.38	.43	.46	.56	.65	.68	.78
		" 6	1-16 to $\frac{1}{2}$	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{7}{8}$	1	$1\frac{1}{8}$	$1\frac{1}{4}$	$1\frac{3}{8}$	$1\frac{1}{2}$
			.32	.33	.38	.43	.46	.56	.65	.68	.78

		" 7	1-16 to 1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
			.32	.33	.38	.43	.46	.56	.65	.68	.78
		" 8	1-16 to 1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
			.32	.33	.38	.43	.46	.56	.65	.68	.78
		" 9	1-16 to 1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
			.34	.36	.40	.48	.55	.65	.75	.90	1.10
		" 10	1-16 to 1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
			.36	.39	.42	.55	.64	.74	.93	1.12	1.40
		" 11	1-16 to 7-32	1/4 to 7-16	1/2	5/8	3/4	7/8	1	1 1/8	1/4
			.46	.36	.38	.43	.56	.65	.75	.94	1.12
		N ^o 12	1-16 to 1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
			.38	.40	.44	.59	.68	.82	.92	1.10	1.28
		" 13	1-16 to 1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
			.38	.40	.44	.59	.68	.82	.92	1.10	1.28
		" 14	1-16 to 1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
			.38	.40	.44	.59	.68	.82	.92	1.10	1.28
		" 15	1-16 to 1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
			.38	.40	.44	.59	.68	.82	.92	1.10	1.28
		" 16	1-16 to 1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
			.38	.40	.44	.59	.68	.82	.92	1.10	1.28
		" 17	1-16 to 1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
			.38	.40	.44	.59	.68	.82	.92	1.10	1.28
		" 18	1-16 to 1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
			.40	.43	.49	.63	.75	.90	1.05	1.34	1.63
		" 19	1-16 to 7-16	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8
			.40	.43	.46	.55	.68	.80	.98	1.12	1.50
		" 20	1-16 to 7-32	1/4 to 7-16	1/2	5/8	3/4	7/8	1	1 1/8	1/4
			.50	.40	.43	.50	.62	.75	.88	1.16	1.35

	BENT CHISELS	N^o 21	1-16 to 1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
			.34	.36	.40	.47	.59	.70	.90	1.00	1.15
	RIGHT CORNER	" 22	1-16 to 1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
			.35	.37	.41	.48	.60	.73	.93	1.03	1.18
	LEFT CORNER	" 23	1-16 to 1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
			.35	.37	.41	.48	.60	.73	.93	1.03	1.18
	FRONT BENT GOUGES	N^o 24	1-16 to 1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
			.40	.44	.47	.59	.68	.95	1.10	1.30	1.50
		" 25	1-16 to 1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
			.40	.44	.47	.59	.68	.95	1.10	1.30	1.50
		" 26	1-16 to 1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
			.40	.44	.47	.59	.68	.95	1.10	1.30	1.50
		" 27	1-16 to 1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
			.40	.44	.47	.59	.68	.95	1.10	1.30	1.50
		" 28	1-16 to 1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
			.40	.44	.47	.59	.68	.95	1.10	1.30	1.50
		" 29	1-16 to 1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
			.40	.44	.47	.59	.68	.95	1.10	1.30	1.50
		" 30	1-16 to 1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
			.40	.45	.49	.63	.75	1.05	1.25	1.50	1.80
		" 31	1-16 to 1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
			.42	.50	.60	.70	.85	1.10	1.35	1.70	2.00
		" 32	1-16 to 1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
			.42	.50	.60	.70	.85	1.10	1.35	1.70	2.00
	BACK BENT GOUGES	N^o 33	1-16 to 1/2	5/8	3/4	7/8	1				
			.40	.45		.49		.63			.75
		34	1-16 to 1/2	5/8	3/4	7/8	1				
			.40	.45		.49		.63			.75
		35	1-16 to 1/2	5/8	3/4	7/8	1				
			.40	.45		.49		.63			.75

BACK BENT GOUGES							
		" 36	1-16 to 1/2 .40	5/8 .45	3/4 .49	7/8 .63	1 .75
		" 37	1-16 to 1/2 .40	5/8 .45	3/4 .49	7/8 .63	1 .75
		" 38	1-16 to 1/2 .40	5/8 .45	3/4 .49	7/8 .63	1 .75
PARTING TOOLS							
		Nº 39	1-16 to 1/2 .48	5/8 .59	3/4 .75	7/8 .95	1 1.20
		" 40	1-16 to 1/2 .53	5/8 .65	3/4 .83	7/8 1.03	1 1.30
		" 41	1-16 to 1/2 .53	5/8 .65	3/4 .83	7/8 1.03	1 1.30
		" 42	1-16 to 7-16 .53	1/2 .55	5/8 .68	3/4 .85	7/8 1.05
		" 43	1-16 to 7-16 .53	1/2 .55	5/8 .68	3/4 .85	7/8 1.05
		" 44	1-16 to 7-16 .53	1/2 .55	5/8 .68	3/4 .85	7/8 1.05
		" 45	1-16 to 1/2 .48	5/8 .59	3/4 .75	7/8 .95	1 1.20
		" 46	1-16 to 1/2 .53	5/8 .65	3/4 .83	7/8 1.03	1 1.30

CARVING TOOL HANDLES

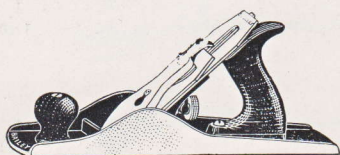
Round Applewood	10c each, net	75c per doz.
Round Boxwood or Rosewood.....	14c each, net	

When handles are ordered separately, state for what size tool they are to be used.

MISCELLANEOUS TOOLS

THE following list of tools we selected with the idea of leaving out all sizes and attachments of no value to the pattern maker. However, we are prepared to quote *lowest dealers'* prices on anything else manufactured by the different firms we have mentioned.

"BAILEY" ADJUSTABLE IRON PLANES



The Planes described below, generally known as Bench Planes, are divided into four classes, namely: SMOOTH, JACK, FORE, and JOINTER.

A SMOOTH PLANE is for finishing or smoothing off flat surfaces. Where the uneven spots are of slight area, its short length will permit it to locate these irregularities, leaving the work with a smooth surface when finished.

A JACK PLANE is used to true up the edges of a board in the rough and prepare it for the Fore or Jointer.

A FORE PLANE is simply a short Jointer, and, being lighter, is preferred by some workmen to the longer plane.

A JOINTER is a finishing Plane for large surfaces and is invariably used to true up the edges of boards so that they can be closely fitted or joined together.

			Length	Cutter	Weight	Each
No. 1		Smooth	5½ in.	1¼ in.	1¼ lbs.	\$1.50
No. 2	or 2 C	Smooth	7 in.	1⅝ in.	2¼ lbs.	2.00
No. 3	or 3 C	Smooth	8 in.	1¾ in.	3⅛ lbs.	2.10
No. 4	or 4 C	Smooth	9 in.	2 in.	3¾ lbs.	2.20
No. 4½	or 4½ C	Smooth	10 in.	2⅜ in.	4¾ lbs.	2.50
No. 5	or 5 C	Jack	14 in.	2 in.	4¾ lbs.	2.50
No. 5½	or 5½ C	Jack	15 in.	2¼ in.	6¾ lbs.	3.00
No. 6	or 6 C	Fore	18 in.	2⅜ in.	7¾ lbs.	3.25
No. 7	or 7 C	Jointer	22 in.	2⅜ in.	8⅛ lbs.	3.75
No. 8	or 8 C	Jointer	24 in.	2⅜ in.	9¾ lbs.	4.50

Packed 1 in Box

"BAILEY" ADJUSTABLE BLOCK PLANES

A Block Plane was first made to meet the demand for a Plane which could be easily held in one hand while planing across the grain, particularly the ends of boards, etc. This latter work many Carpenters call "blocking in," hence the name "Block" Plane.

No. 9½	6 in. long	1⅝ in. Cutter	Japan Handle	Weight 1½ lbs.	Price \$1.10
No. 15	7 in. long	1⅝ in. Cutter	Japan Handle	Weight 1⅝ lbs.	Price 1.20

Write for discounts on the above prices.

STANLEY RABBET PLANES.

These Planes will lie perfectly flat on either side and can be used equally as well with right or left hand while planing into corners or up against perpendicular surfaces.

No. 192	8 in. long	1 in. Cutter	Japan Finish	Weight 2 lbs.	Price	\$1.25
No. 180	8 in. long	1½ in. Cutter	Japan Finish	Weight 2½ lbs.	Price	1.10
No. 181	8 in. long	1¼ in. Cutter	Japan Finish	Weight 2¼ lbs.	Price	1.10

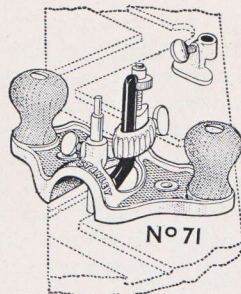
STANLEY CORE BOX PLANES

These planes will work semi-circles from 1" up to 2½" in diameter without extra sections. With one pair of extra sections it will work semi-circles up to 5" diameter. Additional sections can be supplied each extra pair adding 2½" to the diameter of the semi-circle that can be worked up to 10" in diameter the practical limits of the plane.

No. 57—10 in. Long, ⅞ in. Cutter, Nickel Plated, 6¾ Pounds.....\$4.40
Extra Sides \$1.00 per pair

STANLEY ROUTER PLANES

These Planes are for surfacing the bottom of grooves or other depressions parallel with the general surface of the work. They are made in two styles, differing in the form of throat. The closed throat is the ordinary form of router plane; the open throat, an improved design, giving more freedom for chips and a better view of the work and cutter. The latter has an attachment for regulating the thickness of the chip, and a second attachment for closing the throat for use on narrow surfaces. The bottoms of both styles are designed so that an extra wooden bottom of any size desired can be screwed on, enabling the user to router on large openings.



A ¼ and ½ inch cutter are furnished with each Plane. Cutters have screw adjustment, and can be held as shown in illustrations, or on the back of the cutter post, for bull-nose work.

No. 71	7½ in. long	Open Throat	Nickel Plated	Weight 2⅝ lbs.	\$2.05
No. 71½	7½ in. long	Closed Throat	Nickel Plated	Weight 2⅞ lbs.	1.65

SHEFFIELD CAST STEEL PANE IRONS

We cannot recommend these Plane Irons too highly. They are guaranteed to give satisfaction or may be returned at our expense.

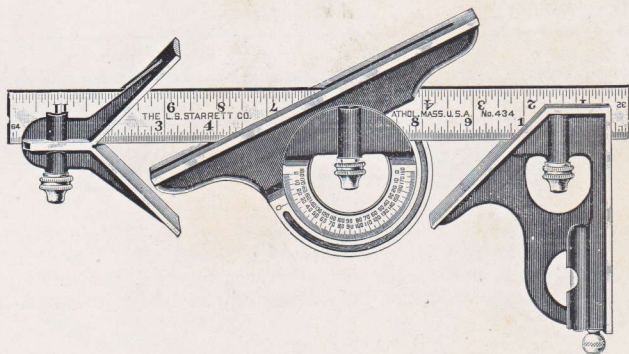
Size	1½	1¾	2	2⅞	2¼	2⅜	2½	2⅝
Price	.25	.25	.30	.28	.35	.40	.40	.45

CORRUGATED PLANE IRONS

Coarse, Medium and Fine, carried in two widths only.....Price \$.55 Each

Write for discounts on goods shown on this page.

STARRETT'S COMBINATION PROTRACTOR SET No. 434



The set consists of our No. 33 Combination Square with hardened, *Drop-Forged Stock* and center head, and our new Reversible Protractor Head, No. 490, shown in cut above. Sent with blades graduated 8, 16, 32 and 64. This tool has the additional feature of having the 7" head extend both sides of the blade, and is supplied with an accurate level. This greatly increases the usefulness of the tool, as the same angles may be transferred from either side of the frame without resetting. Another improvement is that the turret is graduated to read both ways from 0 to 180 degrees. Mechanics will clearly appreciate this point, as direct readings may be had from the turret, indicating the supplement of the angle, as well as the angle required. The fact that there is but one zero line on the frame eliminates all possible chance of confusion as to whether acute or obtuse angles are obtained.

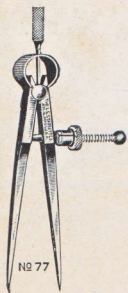
The blades are hardened and graduated with heavy figures reading both ways. The heads are made with fine smooth finish to match the finish of our No. 33 Combination Squares.

Set No. 434 Complete,	6"	9"	12"	18"	24"
DROP FORGED, Price, ...		\$5.25	\$5.50	\$6.25	\$6.75
Squares, Center Head and Blade, \$2.50	2.75	3.00	3.75	4.25	
Square and Blade only	2.00	2.25	2.50	3.25	3.75

Set No. 435, Complete,					
CAST IRON, Price.....		\$4.25	\$4.50	\$5.25	\$5.75
Square, Center Head and Blades... \$1.50	1.75	2.00	2.75	3.25	
Square and Blade only,.....	1.00	1.25	1.50	2.25	2.75

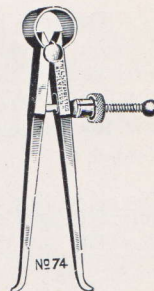
Set No. 11—Combination Square, with 4" Blade.....	Price 75c				
Graduated Blades only.....	4"	6"	9"	12"	18"
Price	.35	.50	.75	\$1.00	\$1.75
					\$2.25

SPRING DIVIDERS, INSIDE AND OUTSIDE CALIPERS THE FAY PATENT



The accompanying cuts represent the Fay Spring Dividers and Calipers with new quick-adjusting automatic closing spring nut, a critical examination of which will at once show their *superiority over all others* on the market. Its use will save much valuable time in opening and closing spring-bow calipers and dividers.

They are also made with a solid nut.



FAY DIVIDERS

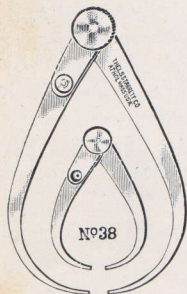
2½ inch, each, with spring nut.....	\$1.15
3 inch, each, with spring nut.....	1.15
4 inch, each, with spring nut.....	1.40
5 inch, each, with spring nut.....	1.40
6 inch, each, with spring nut.....	1.75
8 inch, each, with spring nut.....	2.00

FAY OUTSIDE AND INSIDE CALIPERS

2½ inch	\$1.15
3 inch	1.15
4 inch	1.25
5 inch	1.25
6 inch	1.50
8 inch	1.75

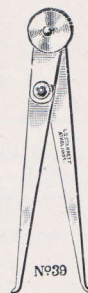
Solid Nut for any of the above, 15 Cents Less.

INSIDE AND OUTSIDE LOCK JOINT CALIPERS



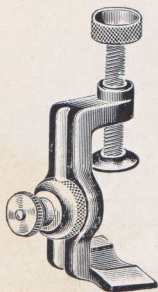
These Calipers are simple, light and low priced. They may be instantly adjusted to their full extent and quickly locked firm in the joint and yet provided with a sensitive adjustment.

If there is anything better on the market it has not come to our attention.



4 inch	\$0.90
5 inch	.95
6 inch	1.00
8 inch	1.25
10 inch	1.50
12 inch	1.75

14 inch	\$2.00
16 inch	2.25
18 inch	2.50
20 inch	2.75
24 inch	3.50



TRAMMEL HEADS

The Starrett Trammels No. 59 A fits any size bar and is a desirable tool for every patternmaker.

Price, with one pair of points.....\$2.00

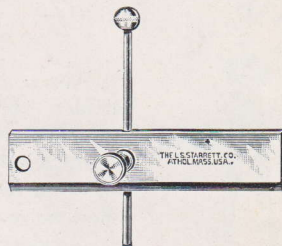
Write for Discounts on goods shown on this page

DEPTH GAGES

The wire in this gage is held to a groove by a friction spring inside the nut while adjusting, and may be used close to the end, as well as in the middle of the straight edge.

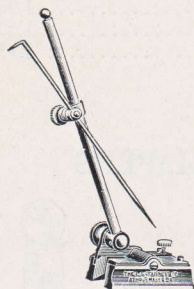
By loosening the nut, the gage may be neatly folded.

No. 45A with 3½ in. stock.....	\$0.75
No. 45B with 6 in. stock.....	1.15
No. 45C with 10 in. stock.....	1.35



NEW UNIVERSAL SURFACE GAGE

This gage has our latest improvements which make it all that can be desired, possessing the following points of merit:



Heavy base, grooved through the bottom and end, adapting it for use on or against circular work as well as flat surfaces.

The spindle passes through a rotating head, jointed to a rocking bracket, pivoted in base. The bracket being adjusted by a knurled screw in one end against a stiff spring in the other, the spindle may be set upright or at any angle, or turned so as to work under the base and be sensitively adjusted to any position. The snug and head carrying the scriber are so made that when the clamp nut is loosened, all may be freely moved to any position and by friction springs retained in place until a slight turn of the clamp nut holds them firm.

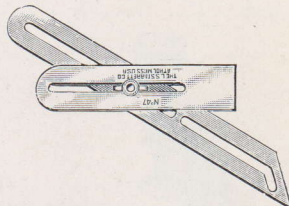
In the rear end of the base are two gage pins frictionally held which may be pushed down to bear against the edge of a surface plate or in the slot of a planer bed for linear work.

For small work the spindle may be removed and the scriber inserted in hole provided where it can be sensitively adjusted and used to advantage on bench work.

List Price, with 3 inch Base and 9 inch Spindle,..... \$2.50

IMPROVED BEVEL NO. 47

The advantages of this bevel over any other tool of this kind made, consists in its having not only the blade slotted but the stock as well, through and through, thus admitting adjustments that cannot be obtained with a common bevel. The clamping screw head, which the cut does not show, is let into a rabbet, flush with the surface of the stock, which will lie flat on the work.



6 inch (length of stock 3½ in.).....	\$1.25
9 inch (length of stock 4¾ in.).....	1.50
12 inch (length of stock 6 in.).....	1.75

Write for discounts.

TEMPERED STEEL SHRINKAGE RULES

OUR principle line of Steel Rules are manufactured by the L. A. Starrett Co. and are marked with our name as agents. These rules are made of the best quality steel, well hardened and tempered, and are divided with unvarying accuracy, being recognized as standard the country over.

Length.	Shrinkage.									Price.
6"		1-10	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$					\$0.75 Each
12"	1-12	1-10	$\frac{1}{8}$	$\frac{5}{32}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	1.75 Each
24"	1-12	1-10	$\frac{1}{8}$	$\frac{5}{32}$	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	3.40 Each

All the above graduated in 8ths, 16ths on one side, 32nds and 64ths on the other.

ENGLISH COMBINATION STEEL SHRINKAGE RULES

These rules are imported direct by us and are marked with our name as agents for this district. The No. 19 is a very popular rule and is now in use in all parts of the country.

No.	Length	Shrinkage	Price
19	12	1-5 and 1-10 On one side	\$1.75
19	24	$\frac{1}{16}$, Standard on opposite side.	 3.00
23	12		 1.25
23	24	1-5 and 1-10 On one side, other side blank.	 2.25
122	24	1-5 One side only, other side blank.	 2.00
121	24	1-10 One side only, other side blank.	 2.00

All the above English Rules graduated to 16ths only.

NEW SINGLE SHRINKAGE ENGLISH RULES.

We were the First to introduce these rules in the United States. They are graduated for one shrinkage, as follows, on one side only, other side blank: First 3 inches, 32nds; 4th inch, 64ths; balance of rule 16ths only, length 24 inches only.

Nos. 068 to 072, Shrinkage, 1-10, 1-5, $\frac{3}{16}$, $\frac{1}{4}$ and $\frac{5}{16}$ Price \$2.50

BOXWOOD SHRINKAGE RULES

Length 24", graduated in 8ths and 16ths only. Price \$1.00. Any shrinkage desired on both sides.

Very low discounts and club rates on all rules.

RUSSELL JENNINGS BITS

Canvas and Wood Bit Cases, 75c net.

Prices do not include Case

32½ QUARTERS consists of 13 bits.

1 each 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16 sixteenths.

Net Price per Set.....\$5.60

22½ QUARTERS consists of 11 bits.

1 each 4, 5, 6, 7, 8, 9, 10, 11 and 12 sixteenths, have standard double thread.

1 each 8 and 10 sixteenths, have quick boring thread.

Net Price per Set.....\$4.20

20½ QUARTERS consists of 9 bits.

1 each 4, 5, 6, 7, 8, 10, 12, 14, 16 sixteenths.

Net Price per Set.....\$3.80

18 QUARTERS consists of 9 bits.

1 each 4, 5, 6, 7, 8, 9, 10, 11 and 12 sixteenths.

Net Price per Set.....\$3.48

17½ QUARTERS consists of 7 bits.

4, 6, 8, 10, 12, 14 and 16 sixteenths.

Net Price per Set.....\$3.20

Size, in.	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{11}{16}$	$\frac{3}{4}$	$\frac{13}{16}$	$\frac{7}{8}$	$\frac{15}{16}$	1
Net Price	.30	.27	.27	.27	.30	.33	.37	.40	.47	.47	.53	.53	.60	.60

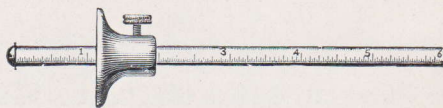
FORSTNER BITS



Size, in.	$\frac{1}{4}$	$\frac{5}{16}$	$\frac{3}{8}$	$\frac{7}{16}$	$\frac{1}{2}$	$\frac{9}{16}$	$\frac{5}{8}$	$\frac{11}{16}$	$\frac{3}{4}$	$\frac{13}{16}$	1
Net Price, ...	.65	.65	.70	.70	.75	.75	.80	.85	.90	1.00	1.05

The bits shown on this page are too well known to need a description from us, and in most sizes are indispensable to the patternmaker.

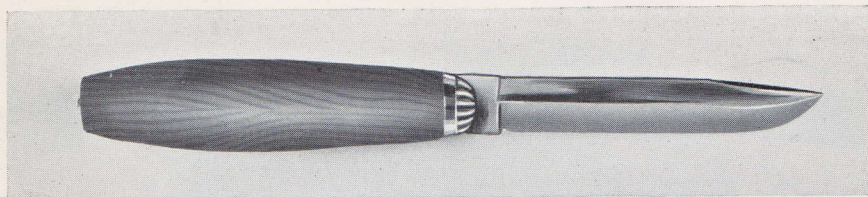
STEEL SCRATCH GAGE



This gage is made of steel with a hardened cast-steel head. A split bushing in the head grips the beam securely when the set screw is tightened. The beam is graduated 64ths of an inch. The marker is a square piece of thin steel nicely tempered and firmly held against the edge of the beam presenting four marking points. Fine adjustments may be made by a slight rotating movement of the head on the beam.

Price Without Discount.	Graduated	Not Graduated
5 inch (beam 15-64 inch)	Price \$1.00	\$0.65
6 inch (beam $\frac{1}{8}$ inch)	Price 1.25	.75

SWEDISH PATTERN KNIFE

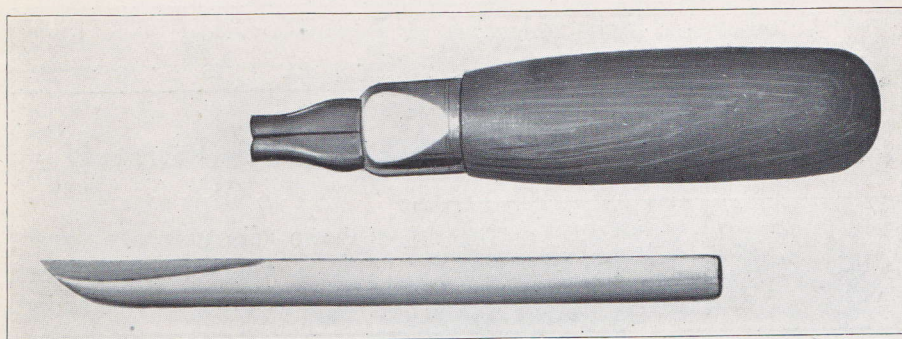


We guarantee these knives to be made of the finest Swedish steel, being imported direct by us from Sweden. The blades are made thinner than formerly and are improved in shape.

Length overall $6\frac{3}{4}$ inches, each 40c, Net.

Discount on Dozen Lots.

DETACHABLE BLADE KNIVES



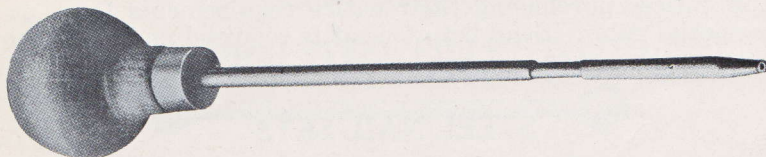
These knives are carefully made from the finest tempered steel and are especially suited for pattern work. The blades may be removed as shown in cut.

Price complete, with Birch Handle, 40c Net.

Light, Medium or Heavy Blades, 10c each.

Price complete, with Rosewood Handles, 60c each Net.

MAGNETIC BRAD SETS



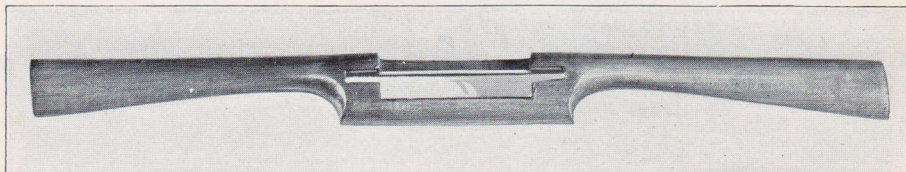
This is a very handy tool for driving brads where it is difficult to use an ordinary hammer. The Brads are held in place magnetically and may be countersunk if so desired.

Length overall $13\frac{1}{2}$ inches.

Price each, 75c Net.

Keep your tools sharp. See page No. 19

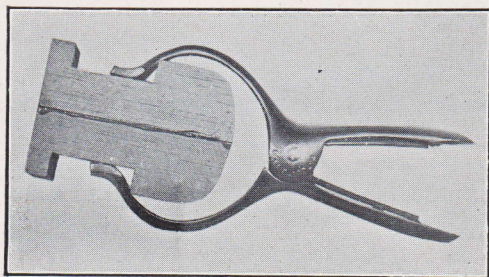
BOXWOOD SPOKE SHAVE



WE ARE exclusive agents for the European Boxwood Spoke shaves. They are made of the very finest light weight boxwood, which will last very much longer than any other wood in similar service. The blades are made of the finest Sheffield Steel and are finished in either flat or round face. Special discount on large quantities.

Length Overall, in.....	4	5	6	7	12	12	12	14
Width of Cut, in.....	1	1	1¼	1½	1½	1¾	2	2¼
List Price	.75	.75	.80	.85	.85	.85	.90	.95

WALTER CAST IRON SPRING CLAMPS (Patented)



These clamps are great time savers on small work for which they are intended.

They are fitted with the finest tempered steel springs and are fully guaranteed.

Size No. 1—Width between Jaws 1", Length 5", Price per dozen.....	\$5.00
Size No. 2—Width between Jaws 2", Length 7", Price per dozen.....	6.00

Apprentices purchasing their entire requirements from us will receive special rates. Send list of what is required and we will quote prices promptly.

STEEL NAIL SETS

Made of a fine grade of steel, both ends hardened, centers nicely knurled, tips concaved, tops oval and the size just right. Length of each size, 4 inches, diameter at tip 1-16", 3-32", 1/8" and 5-32".

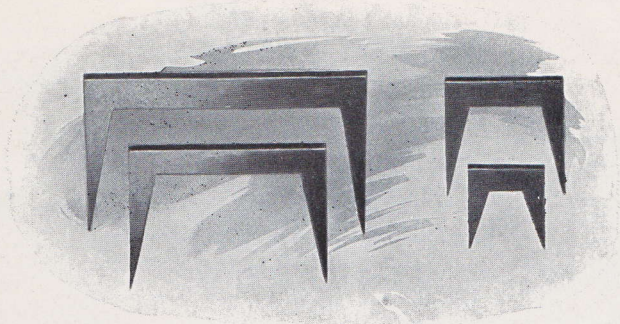
Send for discounts. Sent without box unless ordered otherwise.

Per Dozen, \$1.15.

Each, 15c

Dozen in Box, \$1.25

HAND FORGED STEEL PINCH DOGS



WE HIGHLY recommend these Pinch Dogs, having used them in our own shop for many years. They are wonderfully perfect in every detail and are made on the correct principle, being easily drawn from the wood, leaving an extremely small hole to be filled.

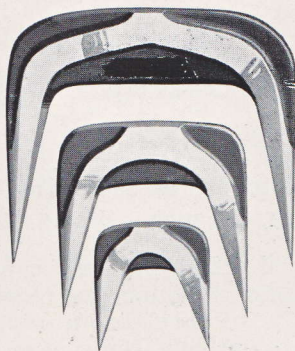
No.	00	0	1	2	3	4	5	6	7
Size of Steel.....	$\frac{3}{16}$ sq.	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{3}{16}$	$\frac{3}{16}$	$\frac{3}{8}$	$\frac{7}{8}$	$\frac{1}{2}$
Length	$\frac{3}{4}$	1	$1\frac{1}{4}$	2	$2\frac{3}{4}$	$3 \& 3\frac{1}{2}$	4	5	$6 \& 6\frac{1}{2}$
Per Dozen	\$2.00	\$1.50	\$1.50	\$2.00	\$2.50	\$3.00	\$3.50	\$4.50	\$5.50

Write for discount and state quantity required.

NEW MALLEABLE IRON PINCH DOGS

These Pinch Dogs, while somewhat similar to the old style, are much more durable, being heavily reinforced and so designed that they will not spread when driven.

This new type of Pinch Dog is a time and labor saver. It only requires one blow in the center of the dog to drive it evenly, whereas the old style necessitates driving on each corner.



PRICES

No. 1—1" \$1.50 per Doz.
No. 2—2" 1.60 per Doz.
No. 3—3" 2.50 per Doz.

Send for Discount and Special Club rates on these Malleable Dogs.

POLISHED STEEL FILLET TOOLS

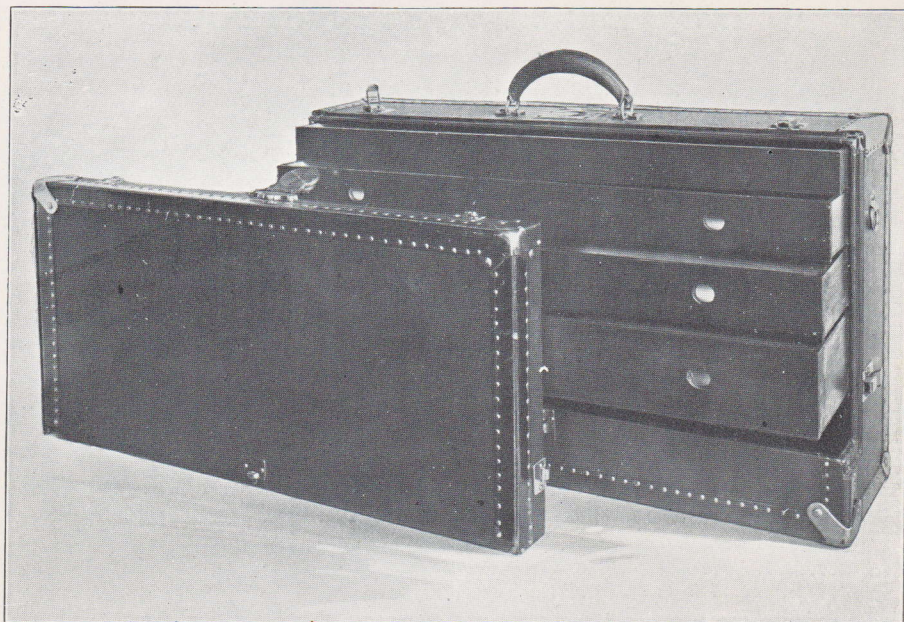


In applying leather Fillet a set of Steel Fillet Tools is almost indispensable. They are not only used to press the fillet into position, but are a perfect gauge as well.

No. 1 for $\frac{1}{8}$ and $\frac{1}{8}$	15c	No. 3 for $\frac{5}{8}$ and $\frac{3}{8}$	45c
No. 2 for $\frac{3}{8}$ and $\frac{1}{4}$	30c	No. 4 for $\frac{1}{2}$ and $\frac{5}{8}$	60c

Complete Set \$1.50 Wholesale Rates Furnished.

Write for discount and state quantity required



PARADOX PATTERNMAKERS TOOL CASE

THIS case was designed especially for Pattern Makers use and is strongly built of *three ply veneer*, covered with the finest quality of *black leatherette trunk covering*. The trimmings are heavy cast brass, the edges being bound throughout with the strongest black fibre fastened with brass rivets.

Inside Dimensions are as follows:

25 $\frac{1}{4}$ inches long; 15 inches high; 6 $\frac{1}{4}$ inches wide.

There are four hard wood drawers ranging from 1 $\frac{1}{4}$ to 3 $\frac{1}{4}$ inches in depth, the fronts of which are nicely finished in light oak with a brass pull in center of each, an improvement not shown in the above cut. The cover is entirely removable and in addition to the heavy Yale lock is attached by brass clasps making it equally as strong on all sides and distributing the weight properly when closed. We have given the construction of this case careful attention in every detail and in actual use they have demonstrated the fact that they are made for hard and continued service. We believe they will hold all the ordinary tools carried by the pattern maker of the present day and will prove quite a saving in transportation charges over the old style wooden tool cases.

Price complete, F. O. B. Cleveland.....\$ 15.00

Shoulder Straps, 75c Net.

Low Discount and Club Rates.

ARKANSAS BENCH STONES

FOR all tools requiring long-lasting, keen-cutting edges. Number one quality is selected from the finest grades of Arkansas rock. Number two quality contains some flaws, but always presents one or more sides perfectly fitted for sharpening purposes.

Approximate		No. 1 Quality Price Each		No. 2 Quality Price Each, Net	
Size	Dimensions	Hard	Soft	Hard	Soft
3	1"x2"x3"	\$1.25	\$0.50	\$0.50	\$0.25
4	1"x2"x4"	1.75	.75	.75	.35
5	1"x2"x5"	2.50	1.00	1.00	.45
6	1"x2"x6"	3.50	1.50	1.50	.60
7	1"x2"x7"	4.25	2.00	2.00	.80

ARKANSAS ROUND EDGE SLIPS

		No. 1 Quality Price Each		No. 2 Quality Price Each, Net	
Size	Dimensions	Hard	Soft	Hard	Soft
3	$\frac{1}{8}$ " x $\frac{3}{8}$ " x 2" x 3"	\$0.75	\$0.35	\$0.50	\$0.20
4	$\frac{1}{8}$ " x $\frac{1}{2}$ " x 2" x 4"	1.00	.50	.75	.30
5	$\frac{1}{4}$ " x $\frac{1}{2}$ " x 2" x 5"	1.50	.75	1.00	.50

ARKANSAS CARVING TOOL SLIPS

1 Set of four small sizes.....Price \$1 Net

We can also furnish lowest prices on Washita Rosy Red and Lily White Stones in all sizes. Also India and Corundum Stones.

We have the largest assortment of Pattern Makers' Stones in Cleveland.

We carry a Full Stock of Miscellaneous Tools: Such as Hammers, Saws, Braces and Screw Drivers, in the VERY FINEST Brands only—Tools that should last a life time and prove a good advertisement for any man.

Net Prices will be Furnished Promptly.

In Ordering Long Firmer Gouges the following Sketch will be found convenient.

FULL SWEEP	MIDDLE SWEEP	FLAT SWEEP	Size
<i>1" Radius</i>	<i>2" Radius</i>	<i>5" Radius</i>	2 Inch
$\frac{7}{8}$	$1\frac{3}{4}$	5"	1 $\frac{3}{4}$
$\frac{3}{4}$	$1\frac{1}{2}$	5"	"
$\frac{5}{8}$	$1\frac{1}{8}$	4"	1 $\frac{1}{2}$
$\frac{1}{2}$	1"	$3\frac{1}{2}$ "	1 $\frac{1}{4}$
$\frac{7}{16}$	$\frac{7}{8}$	3"	1
$\frac{3}{8}$	$\frac{3}{4}$	$2\frac{1}{2}$ "	$\frac{7}{8}$
$\frac{5}{16}$	$\frac{5}{8}$	$2\frac{1}{2}$ "	$\frac{3}{4}$
$\frac{1}{4}$	$\frac{1}{2}$	2"	$\frac{5}{8}$
$\frac{3}{16}$	$\frac{3}{8}$	$1\frac{3}{4}$	$\frac{1}{2}$
$\frac{5}{32}$	$\frac{1}{4}$	$1\frac{1}{2}$ "	$\frac{3}{8}$
$\frac{1}{16}$	$\frac{1}{8}$	1"	$\frac{1}{4}$
			$\frac{1}{8}$

PLEASE ORDER BY SIZE ONLY---Specifying Sweep Preferred.

Send for Complete Catalogue of
PATTERN SHOP SUPPLIES

WE manufacture Leather,
Wood and Paper Fillet.

Brass, Malleable Iron and Wood
Dowel Pins.

Malleable Iron Rapping Plates.

Diamond Pattern Lumber.

Improved Die Cast, White Metal
and Brass Pattern Letters.

Special Ornamental Letters for
Tablets and Art Work of every
description.

DISCOUNT SHEET

Applying to

CATALOGUE No. B-6

THE WELLMAN PATTERN SUPPLY COMPANY

*Chisels, Gouges, Turning and Carving Tools are Net as shown on
Pages 2 to 7 inclusive.*

Page	Article	Discount
8	Bailey Adjustable Iron Planes,-----	20 Per Cent.
8	“ “ Block Planes,-----	20 “ “
9	Stanley Rabbet Planes-----	20 “ “
9	“ Core Box Planes-----	20 “ “
9	“ Router Planes-----	20 “ “
9	Sheffield Cast Steel Plane Irons,-----	Net
9	Corrugated Plane Irons,-----	20 Per Cent.
10	Starrett's Protractors-----	15 “ “
11	Dividers and Calipers,-----	20 “ “
11	Trammel Heads,-----	10 “ “
12	Depth Gauges,-----	15 “ “
12	Surface Gauges,-----	15 “ “
12	Bevels, No 47,-----	15 “ “
13	Starrett Steel Shrinkage Rules, 6-inch, 60c. 12-inch, \$1.40 24-inch, \$2.80-----	Net
13	English Combination Rules, No. 19, 12-inch, \$1.25 No. 19, 24-inch, \$2.50 No. 23, “ .75 No. 23, “ 1.50 Nos. 122 and 121, 24-inch, \$1.20-----	Net
13	New Single Shrinkage English Rules, Nos. 068 to 072, \$1.75-----	“
13	Boxwood Shrinkage Rules, 24-inch, 75c-----	“
14	Russell Jennings Bits,-----	“
14	Forstner Bits,-----	“
14	Steel Scratch Gauges,-----	15 Per Cent.
15	Swedish Pattern Knives,-----	Net
	“ “ “ in Dozen Lots-----	10 Per Cent.
15	Detachable Blade Knives,-----	Net
15	Magnetic Brad Sets,-----	“
16	Boxwood Spokeshaves-----	25 Per Cent.
16	Walter Cast Iron Spring Clamps,-----	50 “ “
16	Steel Nail Sets,-----	Net
17	Hand Forged Steel Pinch Dogs,-----	30 Per Cent.
17	Malleable Iron Pinch Dogs,-----	50 “ “
17	Polished Steel Fillet Tools,-----	20 “ “
18	Tool Cases,-----	25 “ “
19	Arkansas Stones-----	Net

All prices f. o. b. Cleveland, Ohio. Terms:—Cash with order.

We carry a full stock of Miscellaneous Tools of the *Finest Brands Only*. Kindly specify any particular make you prefer and we will quote lowest net prices by return mail. Remember we do not pretend to compete with dealers of second quality tools. It pays in the long run to buy the best tools obtainable.

